

# Chem-Impex International, Inc.

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## Product Specifications

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| <b>Catalogue Number</b>            | 21191                                                         |
| <b>Product</b>                     | <b>1,3,5-Tri-O-benzoyl-<math>\alpha</math>-D-ribofuranose</b> |
|                                    | $\alpha$ -D-Ribofuranose 1,3,5-tribenzoate                    |
| <b>CAS Number</b>                  | 22224-41-5                                                    |
| <b>Molecular Formula</b>           | C <sub>26</sub> H <sub>22</sub> O <sub>8</sub>                |
| <b>Molecular Weight</b>            | 462.45                                                        |
| <b>Appearance</b>                  | White crystalline powder                                      |
| <b>Solubility</b>                  | Soluble in Chloroform and insoluble in water                  |
| <b>Heavy Metals</b>                | ≤ 50 ppm                                                      |
| <b>Water Content (Karl Fisher)</b> | ≤ 0.5%                                                        |
| <b>Infrared Spectrum</b>           | Conforms to structure                                         |
| <b>Analysis by Mass Spectra</b>    | Conforms to standard                                          |
| <b>Residue On Ignition</b>         | ≤ 0.5%                                                        |
| <b><sup>1</sup>H NMR</b>           | Conforms to structure                                         |
| <b>Purity by HPLC</b>              | ≥ 98%                                                         |
| <b>Purity by TLC</b>               | Single spot                                                   |
| <b>Storage</b>                     | Store at 0-8 °C                                               |

**For Laboratory Use Only**